

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Nº 45537

Date of filing in State Engineer's Office APR 15 1982

Returned to applicant for correction

Corrected application filed

Map filed APR 15 1982 under 45536

The applicant Nell J. Redfield Trust

P. O. Box 61, of Reno,
Street and No. or P.O. Box No. City or Town

Nevada 89504, hereby make^s application for permission to appropriate the public
State and Zip Code No.

waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Nell J. Redfield Trust was organized by an agreement dated May 21, 1980. Trustees are Betty Alyce Jones, Helen Jean Jones, Iris G. Brewerton, Kenneth G. Walker and Gerald C. Smith.

1. The source of the proposed appropriation is underground
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 210.3 ac. ft./yr., 1.0 cubic feet/second second-feet
One second-foot equals 448.83 gals. per min.

(a) If stored in reservoir give number of acre-feet

3. The water to be used for quasi - municipal
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated:

(b) Stockwater, state number and kinds of animals to be watered:

(c) Other use (describe fully under "No. 12. Remarks")

(d) Power:

(1) Horsepower developed

(2) Point of return of water to stream

5. The water is to be diverted from its source at the following point: within the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of
Describe as being within a 40-acre subdivision of public
Section 14, T.20N., R.19E., M.D.M., from which point the Southwest corner of
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.
Section 14 bears S 82° 00' 40" W. 3640.00 feet. (Well site No. 1)

6. Place of use A portion of the SW $\frac{1}{4}$ of Section 14, T.20N., R.19E., M.D.M.; W $\frac{1}{2}$ of the
Describe by legal subdivision. If on unsurveyed land, it should be so stated.
SE $\frac{1}{4}$ Section 14, T.20N., R.19E., M.D.M.; N $\frac{1}{2}$ of the NW $\frac{1}{4}$ Section 14, T.20N., R.19E.,
M.D.M.; a portion of the S $\frac{1}{2}$ of the NE $\frac{1}{4}$ Section 15, T.20N., R.19E., M.D.M.; a
portion of the SE $\frac{1}{4}$ Section 15, T.20N., R.19E., M.D.M.
(See attached "Water Use Projection".)

7. Use will begin about January 1 and end about December 31, of each year.
Month and Day Month and Day

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) 1 well, storage tank and pipe distribution
State manner in which water is to be diverted, i.e. diversion structure, ditches and
system.
flumes, drilled well with pump and motor, etc.

9. Estimated cost of works \$200,000.

10. Estimated time required to construct works. two (2) years
If well completed, describe works.
11. Estimated time required to complete the application of water to beneficial use. four (4) years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.
- See attached "Water Use Projection",

By s/ Milton L. Sharp
Milton L. Sharp
Agent P. O. Box 11456, Reno, NV 89510

Compared lmw/bl bl/bc

Protested

DENIAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby deny ~~grant~~ the same, subject to the following limitations and conditions:

This application is herewith denied on the grounds that the appropriation of additional ground water as applied for would conflict with and tend to impair the value of existing rights and threaten to prove detrimental to the public interest and welfare.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed _____ cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before _____.

Proof of completion of work shall be filed before _____.

Application of water to beneficial use shall be made on or before _____.

Proof of the application of water to beneficial use shall be filed on or before _____.

Map in support of proof of beneficial use shall be filed on or before _____.

Completion of work filed _____ IN TESTIMONY WHEREOF, I, PETER G. MORROS,

Proof of beneficial use filed _____ State Engineer of Nevada, have hereunto set my hand and the seal of

Cultural map filed _____ my office, this 16th day of MAY,

Certificate No. _____ Issued _____ A.D. 19 84



Peter G. Morros
State Engineer

Redfield Trust
Water Use Projection

April 13, 1982

Prepared by:

Milton L. Sharp,
State Water Rights Engineer, No. 475

1. Water Use Assumptions.

Residential Use. Each single family lot will be allocated 1,000 gallons per day. (1.12 acre feet per year). Yield of residential units will be estimated on the basis of zoning classifications as of April 1982. Yield for various zoning classifications will be as follows:

A-5 (20 acre minimum lot size) - This classification is applied to steep and inaccessible lands and can be considered as an open space classification. Yield is estimated as 1 unit for each 20 acres.

A-2 (2.5 acre minimum lot size) - Yield is estimated as 1 unit for each 2.8 acres.

A-1 (2.5 acre minimum lot size) - Yield is estimated as 1 unit for each 1.1 acres.

Industrial Use. Land will be used for warehousing or other low intensity industrial applications. Land with natural ground slopes in excess of 15 percent will not be developed. Water use is estimated on the basis of:

10 employees per developed acre
260 days per year occupancy
20 gallons of water per day per employee
2,000 square feet of landscaping per acre.

Total water use will consist of:

.16 acre feet per year per acre of developed land for employee use.
.18 acre feet per year per acre of developed land for landscaping.

2. Water Use Projections.

N $\frac{1}{2}$, NW $\frac{1}{4}$ of Section 14:

A-5	10.8 acres	- 0 residential units
A-2	.9 acres	- 0 residential units
A-1	66.8 acres	-60 residential units
Total		60 residential units
Water Demand		67.2 acre feet/year

S $\frac{1}{2}$, NE $\frac{1}{4}$ of Section 15:

A-5	19.2 acres	- 0 residential units
A-2	13.8 acres	- 4 residential units
A-1	49.6 acres	-45 residential units
Total		49 residential units
Water Demand		54.9 acre feet/year

N $\frac{1}{2}$, SW $\frac{1}{4}$ and NW $\frac{1}{4}$, SE $\frac{1}{4}$ of Section 14:

A-5	36.7 acres	- 1 residential units
A-5	19.1 acres	- 0 residential units
A-2	44.1 acres	-15 residential units
A-1	21.6 acres	-19 residential units
Total		35 residential units
Water Demand		39.2 acre feet/year

S $\frac{1}{2}$, SW $\frac{1}{4}$ and SW $\frac{1}{4}$, SE $\frac{1}{4}$ of Section 14:

Industrial land, 56.8 net developable acres

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Water Demand - 19.3 acre feet/year

N $\frac{1}{4}$, SE $\frac{1}{4}$ and SE $\frac{1}{4}$, SE $\frac{1}{4}$ of Section 15:

Industrial land, 87.4 net developable acres

Water Demand - 29.7 acre feet/year

Total Projected Water Demand - 210.3 acre feet/year